

2/13/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	
PO038863	MES002-VC	1	1	Net 30	M17-4-H900-R1.000	17-4 SS H900 Round Bar 1.00" : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643 NOTE: PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8 450-473-1884 receive ft				24	2/9/2018	24		S041668	Stock	2/13/2018	\$ 26.35 / ft	0		\$632.4	
		2			M17-4-H900-R2.750	17-4 SS H900 Round Bar 2.750" : MATERIAL: 17-4 PH COND. H900 M174PH-H900R0.625 AS PER AMS 5643 NOTE: PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8 450-473-1884 receive ft				12		12		S041669	Stock	2/13/2018	\$ 189.80 / ft	0		\$2,277.6	
Total:										36		36									\$2,311.1

Plex 2/13/2018 8:48 AM Dart Dubois Pascal

METAL SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order

07/02/2018

Order : 132218
Reference : 38863
Bid : 25747
Ship : PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/Q Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SR234174	ST 17-4PH ROU 2.750 DIA COND. H900 1 X 12' R/L ***** HT:504m	12.5	12.5	0
SR1174900	17-4PH COND 900 1 DIA. 2 X 12' R/L ***** HT:452K	24	24	0

SHIP JOURNEY COLLECT
JP

08/02/18.

Shipping : _____
Package No : _____

Ref. : _____

Merchandise Received: _____

Shipping Order

07/02/2018

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Order : 132218
Reference : 38863
Bid : 25747
Ship : PICK UP / PICK UP

Customer : 6323336

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SR234174	ST 17-4PH ROU 2.750 DIA COND. H900 1 X 12' R/L ***** HT:504m	12.5	12.5	0
SR1174900	17-4PH COND 900 1 DIA. 2 X 12' R/L ***** HT:452K	24	24	0

SHIP JOURNEY COLLECT
JP

08/02/18.

Pat Muel
1 Bundle
02-09-18

Shipping : _____

Package No : _____

Merchandise Received: _____

Ref. : _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038863

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038863
PO Date: 1/25/18
Due Date: 2/9/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED

JAN 26 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M17-4-H900-R1.000		17-4 SS H900 Round Bar 1.00" : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643 NOTE: PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8 450-473-1884 receive ft	Firmed	2/9/18	24 ft	0 ft	24 ft	\$26.35/ft	\$632.40
2	M17-4-H900-R2.750		17-4 SS H900 Round Bar 2.750" : MATERIAL: 17-4 PH COND. H900 M174PH-H900R0.625 AS PER AMS 5643 NOTE: PLEASE SHIP MATERIAL TO METCOR INC. 560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC J7R-5A8 450-473-1884 receive ft	Firmed	2/9/18	12 ft	0 ft	12 ft	\$189.80/ft	\$2,277.60
3	M4130NS.250		4130 Sheet .250 : MATERIAL: AISI 4130N STEEL SHEET AS PER OR AS PER AMS 6345 MIL-S-18729 OR AMS 6350 OR AMS 6351 receive sf	Firmed	2/9/18	36 sf	0 sf	36 sf	\$59.109722/sf	\$2,127.95
4	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/9/18	200 pcs	0 pcs	200 pcs	\$4.25/pcs	\$850.00

Grand Total: \$5,887.95

1/25/2018

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/25/18 12:44 PM dart.lavoie.chantal

Bid

25/01/2018

25747

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 *Tel. : 450 641-3330*

Sales Rep. : JEROME PRIMEAU
Reference : CHANTAL
Expiration Date : 25/04/2018

Customer : 6323336

Ship To :

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Price</i>	<i>Total</i>	<i>Tx</i>
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N				
MP144130	4130N PLATE .250"	1	2127.95	2 127.95	A
	1 X 36" X 144"				
SR234174	ST 17-4PH ROU 2.750 DIA COND. H900	12	189.80	2 277.60	A
	1 X 12' R/L				
SR1174900	17-4PH COND 900 1 DIA.	12	26.35	316.20	A
	1 X 12' R/L				
	7/10 DAYS				

Subtotal 4 721.75

HST : 613.83

A) Regist :

Total : 5 335.58

Chantal Lavoie

From: Regis Quenneville
Sent: Tuesday, January 23, 2018 3:47 PM
To: Kim Johnston; Chantal Lavoie
Subject: MAT'L

Hi Kim, can you enter the following mat'l in the system:

M17-4-H900-R2.750 ~~1.2~~ x 12

1.2" x 24
Hi Chantal, can you order a couple feet of this atleast.

Thanks,
RQ

P/N RBE350A93-3316-20-1
350 FIELD MAINTENANCE KIT

urgent solution

4130N sheet "250" 32 SF

4140H R 1.5" ft

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H900-R1.750
DATE: FEB 13 2018

PO BATCH NO: 038863/5041669

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 1211
QUANTITY INSPECTED: 1211
QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.750
THICKNESS RECEIVED: 2.750
SHEET SIZE ORDERED: N/A
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>AMS 5643</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # 3041m</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR B / WEAR
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION INSPECTED BY: <u>DAS 11</u> DATE: <u>FEB 13 2018</u>	ENGINEERING SIGNOFF (if req) SIGNED OFF BY: _____ DATE: _____
--	--

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / TYPE 630 / S17400 SS BAR
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD STRENGTH PER TABLE
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5604 OR AMS 5643 OR ASTM A693 OR ASTM 564
PART NUMBER: M17-4 HHHHHH TTTT X WW/WWW WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
COND THICK WIDTH TTTT SPECIFIES THE THICKNESS WW/WWW SPECIFIES THE WIDTH

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART 0.250" X 4.000" BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI
1.000" X 2.500" BAR H900 CONDITION
0.500" X 3.250" BAR H1025 CONDITION
0.750" X 2.500" BAR A CONDITION

PART NUMBER M17-4-B0.250X4.000
M17-4-H900-B1.000X2.500
M17-4-H1025-B0.500X3.250
M17-4-CONDA-B0.750X2.500

RELEASED
11 2017 -10-31
ECON17-728

APPROVED

DESIGN	NO	ADD MATERIAL CONDITION AND REFORMAT DRAWING (C017-107)	NO	17.09.14
DRAWN	CP	NEW ISSUE	DS	02.04.18
CHECKED	DD			
MFG. APPR.	WM			
APPROVED	CP			
DATE	17.09.14			

DART AEROSPACE LTD
HAMKESBURY, ONTARIO, CANADA

DRAWING NO. M17-4-B

REV. B

SHEET 1 OF 1

SCALE NTS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H900-R1-000

DATE: FEB 13 2018

PO BATCH NO: 088863/504166

MATERIAL CERT REQD: Yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Ans 5643
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 452K
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR C / WEST
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if req)

INSPECTED BY: DAS
11
 DATE: 9-29
FEB 13 2018

SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / TYPE 630 / S17400 SS BAR
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD STRENGTH PER TABLE
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5604 OR AMS 5643 OR ASTM A693 OR ASTM 564
PART NUMBER: M17-4- HHHH-B T.TTT X WW.WWW WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
COND THICK WIDTH T.TTT SPECIFIES THE THICKNESS
WW.WWW SPECIFIES THE WIDTH

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	(NONE SPECIFIED (CONDITION A NOT ACCEPTABLE))	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	(CONDITION A (SOLUTION TREATED))		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART 0.250" X 4.000" BAR MIN LITS = 150 KSI MIN YTS = 100 KSI
1.000" X 2.500" BAR H900 CONDITION M17-4-B0.250X4.000
0.500" X 3.250" BAR H1025 CONDITION M17-4-H1025-B0.500X3.250
0.750" X 2.500" BAR A CONDITION M17-4-CONDA-B0.750X2.500

RELEASED
2017-10-31
EAM17-728

APPROVED

B	ADD MATERIAL CONDITION AND REFORMAT DRAWING	NO	17.09.14
A	NEW ISSUE	DS	02.04.18
REV.		BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	CP		
MFG. APPR.	DD		
APPROVED	WM		
DE APPR.	CP		
DATE	17.09.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M17-4-B			
TITLE 17-4 SS BAR			
REV. B			
SHEET 1 OF 1			
SCALE			
NTS			

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CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
5-FEB-2018

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

44051

PART NUMBER/NUMÉRO DE PIÈCE

510550

Invoice Number
T375377

SOLD TO: METAUX SOLUTIONS INC.	SHIP TO: METAUX SOLUTIONS (RIVE-SUD)
VENDU À: 2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7	EXPÉDIÉ À: 2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR
2-3/4 RD X 12' R/L

HEAT: 504M

ITEM: 510550

ASTM A564
Line Total: 12.5 FT

Specifications:

AMS 5643 U
UNS S17400
AMS 2303 F
ASTM A388-S1
STEEL 630 (17-4)

ASTM A564 T630 13
EN 10204 3.1
ASTM F899 12B
DFAR 252.225-7009

ASME SA564 T630 07
ASTM A484 16
API 6A PSL 3
ASTM A751 CHEM 14A

CHEMICAL ANALYSIS

C	CB	CO	CR	CU	MN	MO	N
0.031	0.205	0.06	15.34	3.31	0.62	0.02	0.02
NI	P	S	SI	TA	TI	CBTA	
4.17	0.017	0.0134	0.57	0.0125	0.002	0.2175	

RCPT: R339312

COUNTRY OF ORIGIN : USA

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					363

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS RC
DEV: H900 L	171.47	197.57	10.3	50.92	42

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
26-JAN-2018

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

44051

Invoice Number
S702750

PART NUMBER/NUMÉRO DE PIÈCE

510522

SOLD TO: METAUX SOLUTIONS INC.	SHIP TO: METAUX SOLUTIONS (RIVE-SUD)
VENDU À: 2625 BOUL JACQUES CARTIER EST	2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1L7	LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR

1 RD X 12" R/L

HEAT: 452K

ITEM: 510522

ASTM A564

Line Total: 24.6 FT

Specifications:

AMS 5643 U

ASTM F899 12B

ASTM A564 T630 13

AMS 5643 U

ASME SA564 T630 07

ASTM A388-S1

CHEMICAL ANALYSIS

C	CB	CO	CR	CU	MN	MO	N
0.01	0.197	0.05	15.18	3.25	0.55	0.02	0.026
NI	P	S	SI	TA	TI	CBTA	
4.28	0.016	0.0123	0.58	0.005	0.002	0.202	

RCPT: R291204

COUNTRY OF ORIGIN : USA

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					321

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED	HARDNESS
DEV: H900 L	KSI	KSI	IN 02 IN	IN AREA	RC
	181.06	199.06	11.0	41.89	44

GRAIN SIZE : 8 -

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Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST
CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date
26-JAN-2018

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

44051

Invoice Number
S702750

PART NUMBER/NUMÉRO DE PIÈCE

510522

SOLD TO: METAUX SOLUTIONS INC.
VENDU À:

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (RIVE-SUD)

2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR
1 RD X 12' R/L
HEAT: 452K

ITEM: 510522

ASTM A564
Line Total: 24.6 FT

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
MACRO: OK
MICRO1: OK

COMMENTS

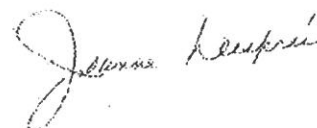
melted and mfg in usa
reduction ratio 69.4:1

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

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Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

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Certification Date
5-FEB-2018

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
T375377

44051
PART NUMBER/NUMÉRO DE PIÈCE
510550

SOLD TO:	METAUX SOLUTIONS INC.	SHIP TO:	METAUX SOLUTIONS	(RIVE-SUD)
VENDU À:	2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7	EXPÉDIÉ À:	2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1	

Description:	17-4 SOL ANN CF BAR	ASTM A564
2-3/4 RD X 12' R/L		Line Total: 12.5 FT
HEAT: 504M	ITEM: 510550	

GRAIN SIZE :7 -

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
ULTRASONIC: YES
THERMAL TREATMENT: OK
ANN. @1900F FOR 1 HR MIN. AIR COOLED
MACRO: OK
MICRO: OK
AMS NO :2303
SEVERITY :0.12
FREQUENCY:0.21

COMMENTS

red. ratio 9.8:1
eu directive 2011/65/eu.rohs.

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

Certificat de Conformité Certificate of Compliance

BON DE TRAVAIL order	CHARGEMENT load
325143	1

CLIENT / customer 780

METALUX SOLUTIONS

2625 BOUL. JACQUES-CARTIER EST

LONGUEUIL

QC J7R 0G3

LIVRÉ À / shipped to:

METALUX SOLUTIONS

2625 BOUL. JACQUES-CARTIER EST

LONGUEUIL

QC J7R 0G3

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COMMANDE DU CLIENT customer po	CLASSIFICATION PIECE part classification	MATÉRIEL material	MAÎTRE D'OEUVRE prime contractor	PROGRAM
44054	N/A	17-4PH		
<u>SPECIFICATIONS DU PROCÉDÉ</u> processing specifications				
AGE HARDEN				
CONDITION H 900				
EXIGENCE / requirement	SPECIFICATIONS / specified	TESTS EXÉCUTÉS / performed	RÉSULTATS DE TESTS / results	
HARDNESS	40 - 47 HRC	3	44 - 48 HRC	
QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description		
3	315	SHAFT 2,75" X 12' 6" / 1" X 12' 1 PALETTE		

COMMENTAIRES / comments

APPROUVÉ par / Approved by:

DATE: 2018-02-07

APPROUVÉ